A 90 Day Subchronic Toxicity Subcutaneous Implant Study in Rats Administered Room Temperature Vulcanized (RTV) Shell, Diaphragm Valve and Plug Assembly, Leaf Valve and Overlay Assembly, and Patch and Overlay Assembly

## SUMMARY AND CONCLUSION

The subcutaneous implantation of the test articles, RTV Shell, Diaphragm Valve/Plug, Leaf Valve/Overlay or Pacch/Overlay, revalled in an immediate inflammatory reaction at the site of implantation. Grossly the reaction consisted primarily of edoma. Occasionally, eacher was noted during the first two weeks in the test article implanted groups. Edoma was noted in the Sham Control group the first day after surgery.

bisconcopically the implant site issions were characterized by multiloculated syst-like areas containing fragments of transparent material (not article) turouseded by individual thin fibrous capsules. In some cases, the saine area was surrounded by a thin fibrous capsule. The tissue reaction consisted of matrophage aggregates, multimediated foreign body giant tells, pigment-lader matrophages, and/or someono-clear cell infiltratus. The received observed among the four implanted groups was similar in type and seconity. Changes noted in the Sham Control group was similar to focal dermal fibrous at the incision sites.

Histopathological evaluation of other tissues after 90 days of exposure to the test sardeles revealed a low incidence of a variety of lessons. With the exception of implant site lessons, the lessons observed were considered to be typical for Fisches 344 rate of this age.

No exidence of systemic textility attributable so the implantation of the text articles was observed in any of the other parameters that were evaluated, including body weight, hereatology and serum chemistry, organ weights (absolute and relative to brain and body weight) and gross pathology.